

Developmental Polypropylene **DCSP990.01**

Sub-group:

Impact Copolymer

Description:

BRASKEM DCSP990.01 Developmental Polypropylene Resin has been developed for high speed injection molding of thin wall packaging containers and houseware articles. BRASKEM DCSP990.01 Developmental Polypropylene Resin is a nucleated impact copolymer combining very high flow with an excellent balance of mechanical properties. It has been designed for short cycle times and excellent antistatic performance.

Applications:

- Thin wall containers
- Thin wall packaging (margarine tubs, dairy product pots, ice cream containers)
- Lids
- Housewares
- Flower pots
- Cool boxes
- Compounding

Process:

High speed injection molding.

Properties:

Physical Properties ^{a)}	Nominal Value (English)	Nominal Value (SI)	Test Method
Density (23°C)	0.900 g/cm ³	0.900 g/cm ³	ISO 1183
Melt Mass-Flow Rate (230°C/2.16 kg)	100 g/10 min	100 g/10 min	ISO 1133
Flexural Modulus	217500 psi	1500 MPa	ISO 178
Charpy Impact Strength, notched (23°C)	2 ft·lb/in ²	4 kJ/m ²	ISO 179/1eA
Heat Deflection Temperature (0.45 MPa)	219 °F	104 °C	ISO 75-2/B
Vicat Softening Temperature (10N)	304 °F	151 °C	ISO 306/A

a) These are typical properties from injection molding specimen according to ISO 294 only and are not to be construed as specifications. Users should confirm results by their own tests.

Processing conditions:

BRASKEM DCSP990.01 Developmental Polypropylene Resin is easy to process with common injection molding equipment with conditions depending on the type of injection molding conversion technology applied.

Recommended melt temperature range for injection molding from 190 to 260°C.

